

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: April YEAR: 2007
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Sherrie Hebert Service Hydrologist
	DATE: May 16, 2007
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

X	An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.
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Although precipitation for the month of April across the Pocatello Hydrologic Service Area (HSA) was much improved over March, it was not enough to make up for the bleak winter's snowpack. The arrival of warm spring temperatures nearly cleared the remaining snowpack in the mountains, leaving many areas near only 40% or less than normal snow water equivalent.

Other Hydrologic Interests

Precipitation

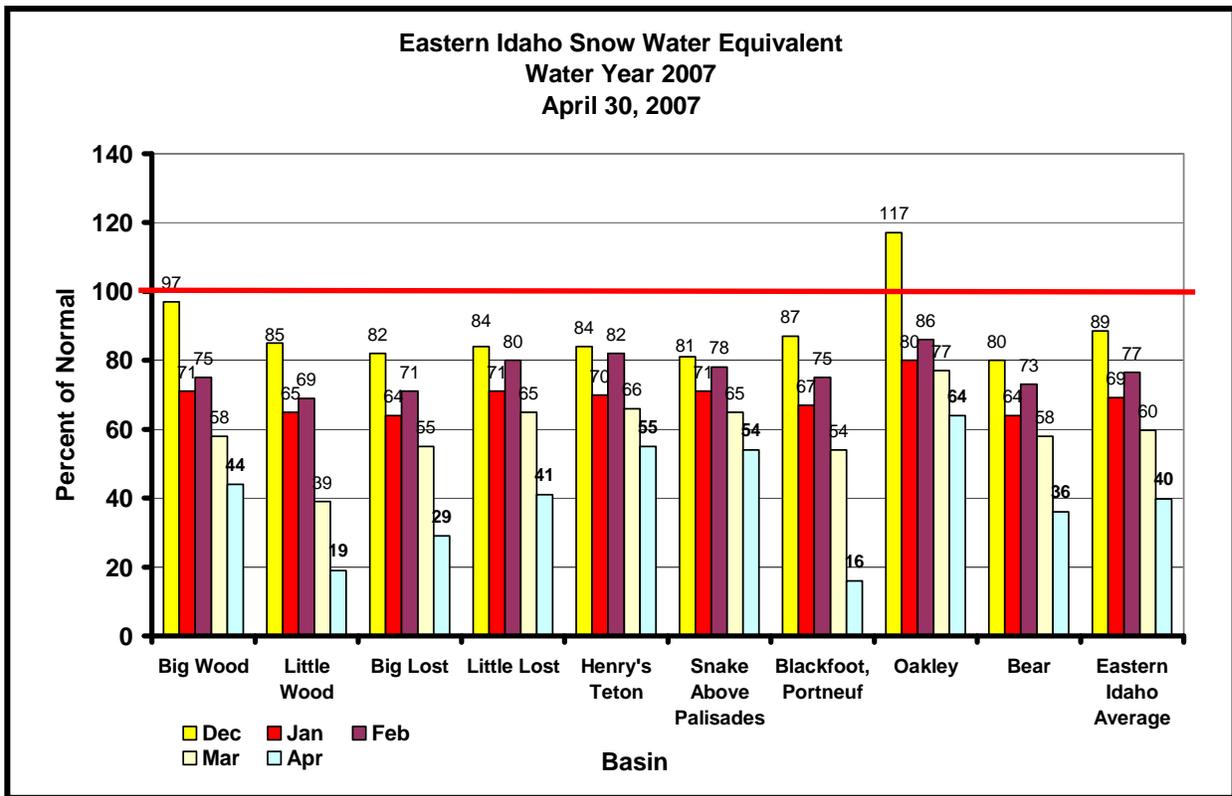
The entire HSA received an average of 98.95% of normal precipitation for 52 of 56 reporting stations with climate data, according to Western Region Climate Center data. Nearly one third of the reporting stations received above normal precipitation in April, with Fort Hall, Howe and Blackfoot topping the list with 191.75%, 187.88% and 182.65% of normal, respectively. Laketown, Utah, Woodruff, Utah and Stanley, Idaho recorded the least with only 28.69%, 19.78% and 4.59% of normal, respectively.

River Levels

River levels across the Pocatello HSA were below normal due to the early loss of mountain snowpack.

Snowpack

Eastern Idaho's snowpack continued to decline dramatically between March and April. Eastern Idaho's March basin-average snow water equivalent decreased to 40% from 60% in March.



Reservoirs

The Upper Snake River reservoir system is at 90% of capacity¹, down 1% from April 16, 2007².

Reservoir	% Capacity March 31 ³	% Capacity April 30 ⁴	Percent Change	% of Average ⁴	% of Last Year ⁴
American Falls	98	97	13	109	101
Bear Lake	43	46	4	67	127
Blackfoot	52	60	2	81	124
Henry's Lake	93	94	2	98	98
Island Park	88	97	1	106	112
Little Wood	98	97	6	119	150
Mackay	79	87	9	111	167
Magic	80	87	15	111	92
Oakley	63	68	6	126	94
Palisades	84	93	9	150	188
Ririe	66	77	11	110	79
Lake Walcott	101 ²	99 ¹	-2	n/a	n/a
Milner	91 ²	97 ¹	6	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR), May 15, 2007; (2) BOR, April 16, 2007; (3) NRCS, March 31, 2007; (4) NRCS, April 30, 2007.

Drought

Dramatic changes in snowpack revealed themselves in April 1 and May 1 water supply forecasts. The only redeeming features for this year's water supply are solid reservoir levels and adequate soil moisture. Drought classifications deteriorated to "Moderate Drought", D1, across Southern Idaho and in the Central Mountains. Other areas are likely to begin declining as the dry winter and upcoming summer take their toll on the region.

April 2007 Hydrologic Product Summary

No hydrologic products were issued in April for the Pocatello HSA/CWA.

cc: Daniel Matusiewicz, Western Region WFO Hydrology Program Manager
Harold Opitz, Hydrologist in Charge, Northwest River Forecast Center
Hydrometeorological Information Center
Rick Dittman, Meteorologist in Charge, Pocatello, Idaho
Jay Breidenbach, Service Hydrologist, Boise, Idaho
Drought Monitor Mailing List
Pocatello WFO Forecasters and HMTs